

### REMARKS

This responds to the Office Action mailed on September 23, 2004.

Claim 57 is amended, no claims are canceled, and no claims are added; as a result, claims 1-5, 8-15, 22, 24-29, 31-35, 37-48, 50-53, and 55-57 are now pending in this application. The amendments to the claims are fully supported by the specification as originally filed. No new matter is introduced. The amendments are made to clarify the claims. Applicant respectfully requests reconsideration of the above-identified application in view of the amendments above and the remarks that follow.

Claim 57 is amended to place the claim in condition for allowance. Claim 57 is amended to include features from the allowed claims. Therefore, Applicant submits that a further search of the art is not required.

#### §103 Rejection of the Claims

Claim 57 was rejected under 35 USC § 103(a) as being unpatentable over Kaya et al. (U.S. 5,467,306) in view of Hu et al. (U.S. 4,736,317).

Applicant cannot find in the combination of Kaya et al. (hereafter Kaya) and Hu et al. (hereafter Hu) a teaching or suggestion of a means for controlling current in the channel region based on an input signal, where the means includes a silicon carbide compound  $\text{Si}_{1-x}\text{C}_x$  on an insulating layer wherein  $x$  is less than 0.5 as recited in claim 57. Therefore claim 57 is patentable over Kaya in view of Hu.

Applicant respectfully requests withdrawal of these rejections of claim 57, and reconsideration and allowance of this claim.

#### Allowable Subject Matter

Claims 1-5, 8-15, 22, 24-29, 31-35, 37-48, 50-53, and 55-56 were allowed.

Applicant acknowledges allowance of claims 1-5, 8-15, 22, 24-29, 31-35, 37-48, 50-53, and 55-56.

**CONCLUSION**

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney (612) 371-2157 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

LEONARD FORBES ET AL.

By their Representatives,

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Date

19 November 2004

By

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Reg. No. 46,632

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Mail Stop AF, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 19 day of November, 2004

Name

KACIA LEE

Signature

Kacia Lee

**AMENDMENT AND RESPONSE UNDER 37 CFR § 1.116 – EXPEDITED PROCEDURE**

Serial Number: 08/903,486

Filing Date: July 29, 1997

Title: SILICON CARBIDE GATE TRANSISTOR

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Dkt: 303.326US1

**IN THE FIGURES**

A complete set of formal drawings are enclosed herein.